

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P774722

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8204.5 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

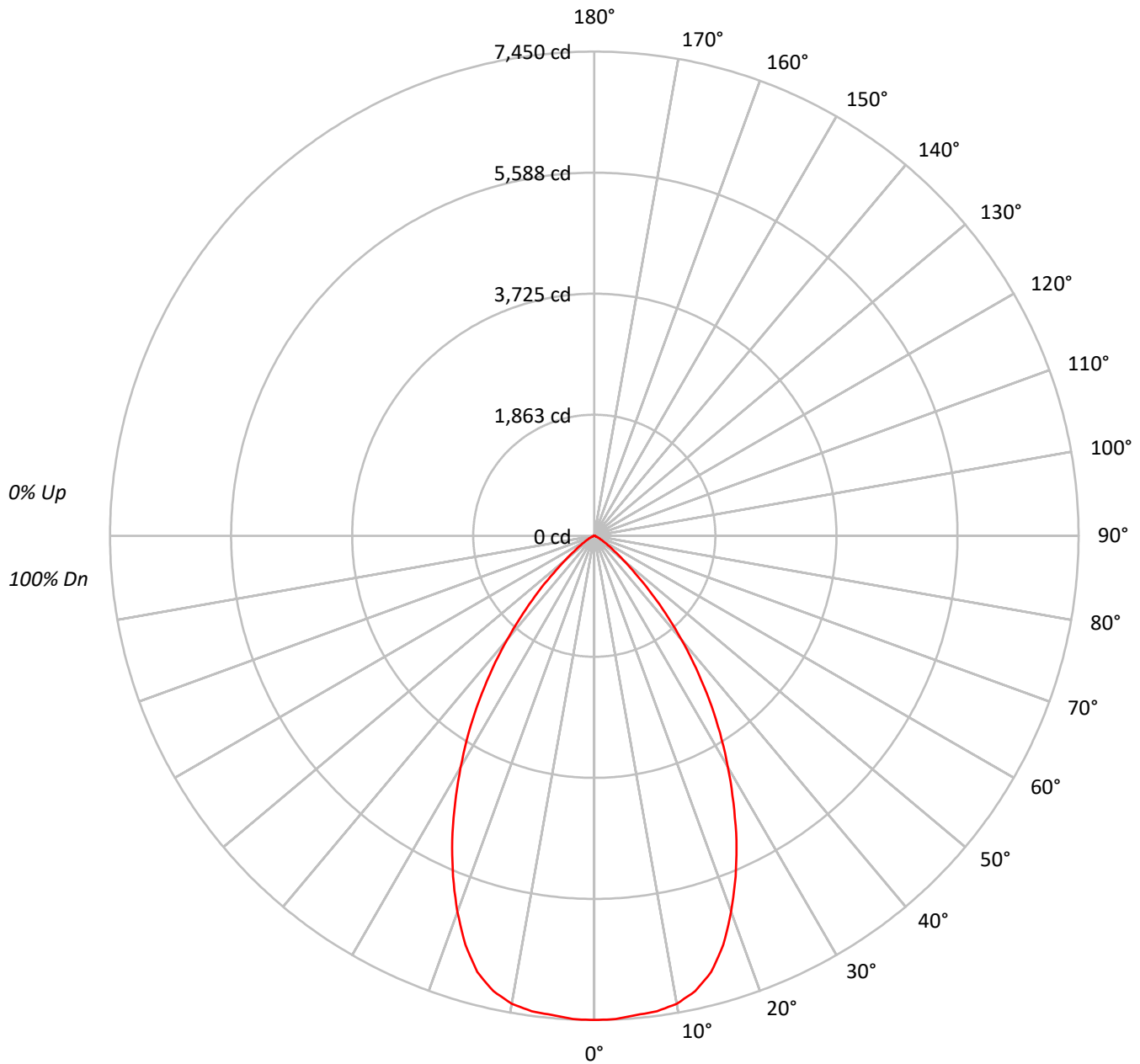


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	435080
5°	433980
10°	433607
15°	420244
20°	382577
25°	333395
30°	277289
35°	219712
40°	158573
45°	100180
50°	52217
55°	27757
60°	14578
65°	8015
70°	3364
75°	3701
80°	2590
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100180 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.5	8.6
10°-20°	1929.1	23.5
20°-30°	2358.1	28.7
30°-40°	1913.3	23.3
40°-50°	953.4	11.6
50°-60°	265.9	3.2
60°-70°	60.4	0.7
70°-80°	15.7	0.2
80°-90°	4.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4991.7	60.8
0°-40°	6905.0	84.2
0°-60°	8124.3	99.0
0°-90°	8204.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8204.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7450	
5°	7402	704
15°	6950	1929
25°	5174	2358
35°	3082	1913
45°	1213	953
55°	273	266
65°	58	60
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7449.5
2.5°	7444.0
5°	7402.4
7.5°	7378.3
10°	7311.5
12.5°	7175.8
15°	6950.3
17.5°	6597.8
20°	6155.5
22.5°	5678.2
25°	5173.6
27.5°	4633.9
30°	4111.7
32.5°	3596.1
35°	3081.6
37.5°	2568.2
40°	2079.9
42.5°	1622.4
45°	1212.9
47.5°	845.1
50°	574.7
52.5°	396.3
55°	272.6
57.5°	183.9
60°	124.8
62.5°	86.5
65°	58.0
67.5°	29.6
70°	19.7
72.5°	18.6
75°	16.4
77.5°	10.9
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)